

## EAST Search History

## EAST Search History (Prior Art)

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	12472	(collector or current with collect\$3) and (bipolar or bi near1 polar) and ((cathode and anode) or (positive and negative) near1 (electrode or pole))	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/02/02 07:57
S2	229	S1 and (collector or current with collect\$3) same (polymer\$3) same (particle or powder or granule)	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/02/02 07:58
S3	138	S2 and (conduct\$5) near2 (particle or powder or granule)	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/02/02 07:59
S4	12472	(collector or current with collect\$3) and (bipolar or bi near1 polar) and ((cathode and anode) or (positive and negative) near1 (electrode or pole))	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/02/02 08:01
S5	229	S4 and (collector or current with collect\$3) same (polymer\$3) same (particle or powder or granule)	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/02/02 08:01
S6	138	S5 and (conduct\$5) near2 (particle or powder or granule)	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/02/02 08:01
S7	48	S6 and (particle or powder or granule) with (first and second)	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/02/02 08:01
S8	3681	(bipolar or bi near1 polar) near1 (plate or layer) and ((cathode and anode) or (positive and negative) near1 (electrode or pole))	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/02/02 08:15

S9	142	S8 and (bipolar or bi near1 polar) near1 (plate or layer) same (polymer\$3) same (particle or powder or granule)	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/02/02 08:15
S10	88	S9 and (conduct\$5) near2 (particle or powder or granule)	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/02/02 08:16
S11	45	S10 and (particle or powder or granule) with (first and second)	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/02/02 08:16
S12	41	("4738741"   "4752370"   "4889577"   "5039389"   "5190834"   "5783324"   "5861221"   "5863672").PN. OR ("5989741").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/02/02 08:19
S13	47	("6372376").URPN.	USPAT	ADJ	ON	2010/02/02 08:26
S14	24	S13 and (conduct\$5) near2 (particle or powder or granule)	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/02/02 08:27
S15	2	S14 and (particle or powder or granule) near2 (first and second)	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/02/02 08:27
S16	2	(bipolar or bi near1 polar) near1 (plate or layer) same (particle) with (facing or face) with ((anode and cathode) or (negative and positive) near1 (pole or electrode))	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/02/02 08:31
S17	1	(bipolar or bi near1 polar) near1 (plate or layer) same (particle) with (contact\$3) with ((anode and cathode) or (negative and positive) near1 (pole or electrode))	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/02/02 08:32
S18	99	(bipolar or bi near1 polar) near1 (plate or layer) same (particle) with (conduct\$3) same polymer\$3	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/02/02 08:33

S19	1	S18 and particle with different same ((anode and cathode) or (positive and negative) near1 (pole or electrode))	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/02/02 08:34
S20	17	S18 and particle with different	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/02/02 08:35
S21	6	US-16280873-\$.did. or US-20030026063-\$.did. or US-20040126655-\$.did. or WO-0010736-\$.did. or WO-03009920-\$.did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT	ADJ	ON	2010/02/02 09:26
S22	2	US-6664006-\$.did.	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT	ADJ	ON	2010/02/02 09:31
S23	6226	(collector or (bipolar or bi near1 polar) near1 (plate or layer)) with (polymer\$3)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT	ADJ	ON	2010/02/02 11:45
S24	3637	S23 and ((anode and cathode) or (positive or negative) near1 (pole or electrode))	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT	ADJ	ON	2010/02/02 11:46
S25	961	S24 and (collector or (bipolar or bi near1 polar) near1 (plate or layer)) same (particle or powder or grain or granule) same (conduct \$5)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT	ADJ	ON	2010/02/02 11:47
S26	745	S25 and (particle) same (conduct\$5)	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT	ADJ	ON	2010/02/02 11:48
S27	239	S26 and (collector or (bipolar or bi near1 polar) near1 (plate or layer)) with composite	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT	ADJ	ON	2010/02/02 12:21
S28	147	S26 and (collector or (bipolar or bi near1 polar) near1 (plate or layer)) with composite with polymer\$2	US-PGPUB; USPAT; USOCR; FPRS; EPO; DERWENT	ADJ	ON	2010/02/02 12:22

S29	7	(collector or (bipolar or bi near1 polar) near1 (plate or layer)) with composite with polymer \$2	FPRS; EPO	ADJ	ON	2010/02/02 12:38
S30	29	(collector or (bipolar or bi near1 polar) near1 (plate or layer)) with composite with polymer \$2	JPO	ADJ	ON	2010/02/02 12:38
S31	107	(collector or (bipolar or bi near1 polar) near1 (plate or layer)) with composite with polymer \$2	DERWENT	ADJ	ON	2010/02/02 12:38
S32	2	separator near2 (composite and polymer\$2)	JPO	ADJ	ON	2010/02/02 12:51
S33	1	separator near2 (composite and polymer\$2)	FPRS; EPO	ADJ	ON	2010/02/02 12:56
S34	12	separator near2 (composite and polymer\$2)	DERWENT	ADJ	ON	2010/02/02 12:57
S35	56	composite with separator with conductive	DERWENT	ADJ	ON	2010/02/02 14:04
S36	12	S35 and particle	DERWENT	ADJ	ON	2010/02/02 14:04
S37	1	S36 and dispersion	DERWENT	ADJ	ON	2010/02/02 14:04
S38	45	(battery or electrochemical cell) and (separator or bipolar or bi near1 polar) same (particle or powder or granule) same (gradient or differ \$4)	DERWENT	ADJ	ON	2010/02/02 14:15
S39	48	(battery or electrochemical cell) and (separator or bipolar or bi near1 polar) same (particle or powder or granule) same (gradient or differ \$4)	FPRS; EPO; JPO	ADJ	ON	2010/02/02 14:15
S40	3042	polymer\$2 near2 (separator or bipolar or bi near1 polar)	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/02/02 14:35

S41	1258	S40 and composite	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/02/02 14:36
S42	880	S41 and particle	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/02/02 14:36
S43	836	S42 and conduct\$4	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/02/02 14:36
S44	424	S43 and conduct\$4 with particle	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/02/02 14:37
S45	260	S44 and (separator or bipolar or bi near1 polar) with conduct\$3	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/02/02 14:39
S46	84	S45 and (separator or bipolar or bi near1 polar) near2 conduct\$3	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/02/02 14:40
S47	50	S46 and (battery or electrochemical cell)	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/02/02 14:45
S48	9	("20020054995"   "20030027030"   "20030124406"   "5952118"   "6099984"   "6309773"   "6358642"   "6403245"   "6503653").PN. OR ("7195836").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/02/02 14:51
S49	84	polymer\$2 near2 (bipolar or bi near1 polar) near2 plate	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/02/02 14:54
S50	32	S49 and (particle or powder or grain or granule) near2 conduct \$4	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/02/02 14:55
S51	102	S28 and (battery or electrochemical cell)	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/02/02 14:56
S52	97	S51 and (battery)	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/02/02 14:56
S53	17	("3793716"   "4237441"   "4957612"   "5262254"   "5441830"   "5464706"   "5464707"   "5547782"   "5554459"   "5728181"   "5793276"   "5968419").PN. OR ("6159635").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2010/02/02 15:26

### EAST Search History (I nterference)

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**2/ 12/ 2010 7:08:23 AM**

**H:\ My BackUp\ Examiner Docs - Active & Archived\ Examined Cases\ 10574038.bipolar  
electrode batteries\ rce1, after faom\ 574038, east\_rce1, after faom\_100202(t1).wsp**